

SPECIFICATION

The Right Perspective Drawing Tool is designed to help the user render a drawing on a two-dimensional surface, a canvas or piece of paper, of a building so that it has a realistic three-dimensional look. The user must be familiar with art terms such as vanishing point and horizon line. To render the side of a building accurately, lines like the top of the roof, tops of windows and doors, and bottom of the building must be drawn converging toward a single vanishing point on the horizon line.

The Right Perspective Drawing Tool is constructed by using a measuring tape with a hole cut in the bottom so that the top of a suction cup can be inserted. When the suction cup is engaged on a flat surface like a tabletop, it will swivel freely in all directions off a single point. Cross hairs, two perpendicular lines, are added to the suction cup so that the user can position the cup directly over a single point more accurately.

TITLE OF INVENTION

The Right Perspective Drawing Tool

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CROSS-REFERENCE TO RELATED APPLICATIONS

Not Applicable

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR
DEVELOPMENT

Not applicable

REFERENCE TO SEQUENCE LISTING, A TABLE, OR A COMPUTER PROGRAM
LISTING COMPACT DISK APPENDIX

Not Applicable

BACKGROUND OF THE INVENTION

The field of endeavor to which this invention pertains as paraphrased by the applicable U.S. patent Classification definitions or the subject matter of the claimed invention is under Class 33, Geometrical Instruments and 18.3, Perspective Drawing Tools identified under subclass 18.1.

The Right Perspective Drawing Tool was invented to help any student or professional involved with representational drawing. This includes a wide variety of fields such as Illustration, Interior Design, Architecture, and Fine Arts. Each of these areas applies perspective techniques for different purposes and to varying degrees of thoroughness. Even if the artist understands basic perspective fundamentals and principles, the artist is still faced with the old method of lining up a very long ruler on the vanishing point, drawing one line, and then realigning the ruler to draw the next line. The Right Perspective Drawing Tool enables the artist to render very detailed drawings quickly and accurately because of its unique pivot design.

BRIEF SUMMARY OF THE INVENTION

The aim of perspective drawing is to create an accurate sense of space and depth, a three-dimensional look, on a flat drawing surface. Artists make use of vanishing points on a horizon line to determine the correct slant of all lines converging toward that vanishing point.

The Right Perspective Drawing Tool uses a modified tape measure with a suction cup added to the bottom of the unit that will swivel and suction on a flat drawing service like a tabletop. This will enable an artist to position the tool on the vanishing point and then with the swivel design of the tool, extend the tape, which is then used like a ruler, and draw all lines that converge on that vanishing point quickly and accurately.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

Figure 1 is example of what a drawing would look like after using The Right Perspective Drawing Tool. The Right Perspective Drawing Tool would have been positioned on one vanishing point and all necessary lines drawn, then moved to the vanishing point on the other side to draw all lines that converge toward the vanishing point on that side.

Figure 2 is a drawing of a suction cup.

Figure 3 is a bottom view of tape measure with a hole cut in the bottom.

Figure 4 is a drawing of The Right Perspective Drawing Tool in use in an upright position, suctioned onto a tabletop or flat drawing surface.

DETAILED DESCRIPTION OF THE INVENTION

The Perspective Drawing Tool uses a modified tape measure with a plastic swivel base added to the bottom of the unit. This base is a suction cup with cross hairs marked on it and it is designed to pivot freely while the suction cup is engaged on a flat surface like a tabletop. The cross hairs are two perpendicular lines drawn on the suction cup. The cross hairs help the user to position The Right Perspective Drawing Tool directly over the vanishing point by lining up one line on the suction cup with the horizon line and the other line on the suction cup with a line that is drawn perpendicular to the horizon line at the vanishing point. The tape can then be extended to the length the artist needs to reach the drawing and acts like a ruler for drawing straight lines. Lines can be drawn, for example, to indicate: the siding on a house; tops and bottoms of windows and doors; brickwork; siding.

In linear perspective, straight lines that are, in reality, parallel to each other, seem to meet (converge) at a point (vanishing point) as they move away from the viewer.

To use The Right Perspective Drawing Tool, a horizon line must be established. See Figure 1. Using a house that the viewer sees two sides of, the bottom of the house must lay somewhere below the horizon line since it sits on a plane that is closer to the viewer than the horizon line. To use The Right Perspective Drawing Tool, position it on a selected vanishing point to the right. Engage the suction cup on a flat surface and pivot The Right Perspective Drawing Tool with the tape extended to draw all the lines needed to represent the house realistically.

A line representing the bottom of the house, the edge of the roofline and the top of the roof, as well as all lines in between like brickwork or siding, can be accurately drawn. To

construct the other side of the house, The Right Perspective Drawing Tool is moved and positioned on a vanishing point on the left side. To finish the drawing of the house, the artist must remember that any line that is perpendicular to the ground in nature will stay perpendicular in the drawing. Draw all perpendicular lines: the sides of the house, the sides of the windows and doors. This should complete the drawing of the house or building.